

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1272319

Luminaire Tested: P3AS17R359827DE010 E3CD1MW

Issue Date: 1/30/2026

Test Information

Test Method: LM-79-2019
Report Number: P1272319
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2601-647-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/30/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3AS17R359827DE010 E3CD1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 98CRI , E3CD1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

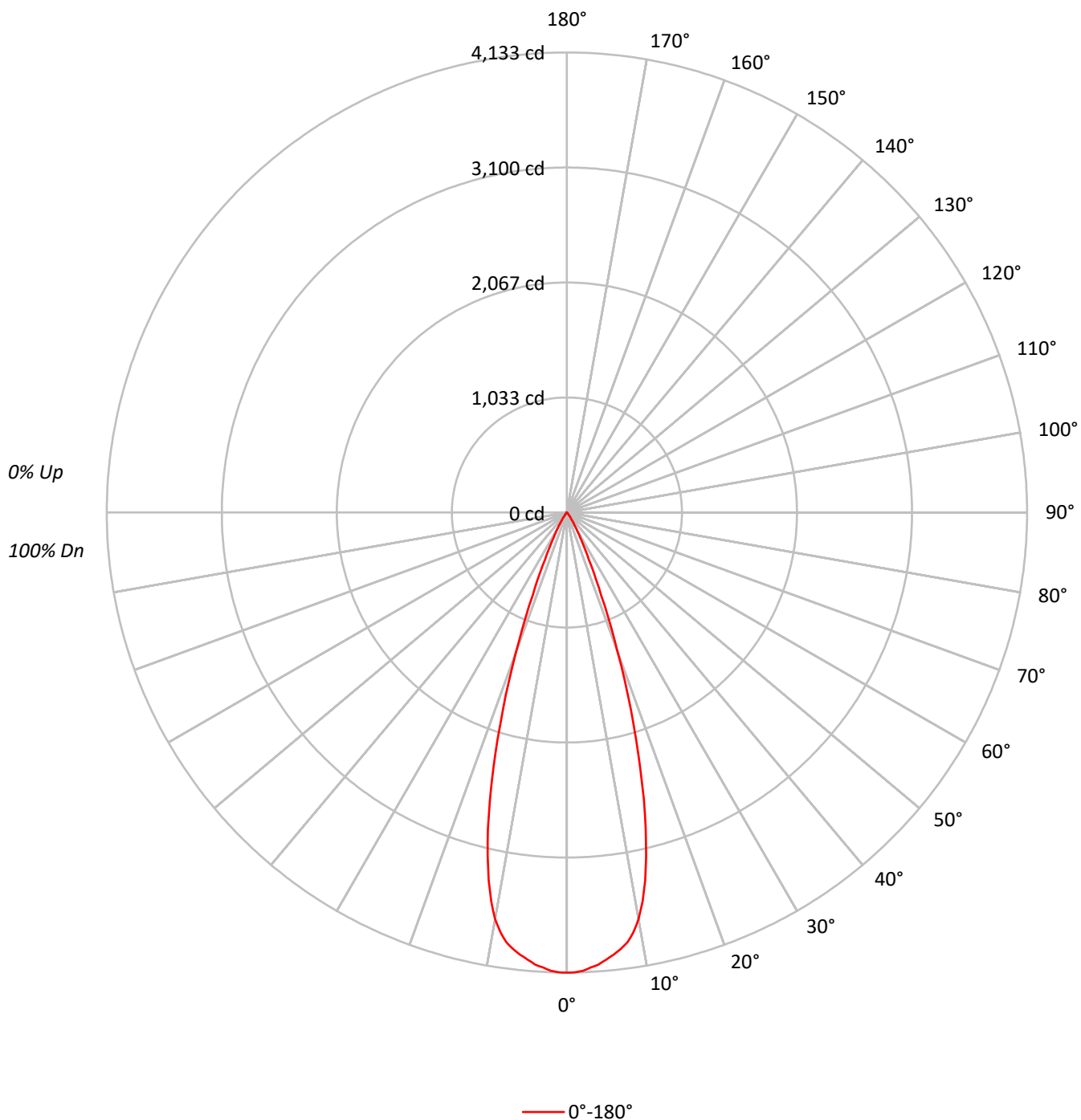
Lumens per Lamp: N/A
Luminaire Lumens: 1390.1 lumens
Efficiency: N/A
Efficacy: 68.1 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.58 / 0.52
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96		
2	111	107	104	101	109	105	103	100	102	100	98	99	98	96	97	95	94	93		
3	107	102	98	95	105	101	97	95	98	96	93	96	94	92	94	92	90	89		
4	104	98	94	91	102	97	93	90	95	92	89	93	90	88	91	89	87	86		
5	100	94	90	87	99	93	89	86	92	88	86	90	87	85	89	86	84	83		
6	97	91	86	83	96	90	86	83	89	85	82	87	84	82	86	83	81	80		
7	94	87	83	80	93	87	83	80	86	82	79	85	81	79	84	81	79	77		
8	91	84	80	77	90	84	80	77	83	79	77	82	79	76	81	78	76	75		
9	89	82	77	74	88	81	77	74	80	77	74	80	76	74	79	76	74	73		
10	86	79	75	72	85	79	75	72	78	74	72	77	74	72	77	74	71	70		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	906375
5°	887913
10°	826037
15°	605611
20°	310104
25°	111756
30°	43526
35°	15232
40°	6269
45°	1706
50°	1501
55°	1682
60°	1447
65°	1141
70°	1410
75°	1864
80°	1389
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 75°

Luminance: 1864 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.0	27.1
10°-20°	705.6	50.8
20°-30°	249.8	18.0
30°-40°	43.7	3.1
40°-50°	6.4	0.5
50°-60°	3.6	0.3
60°-70°	2.6	0.2
70°-80°	1.9	0.1
80°-90°	0.4	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1331.4	95.8
0°-40°	1375.2	98.9
0°-60°	1385.1	99.6
0°-90°	1390.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1390.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4133	
5°	4034	376
15°	2668	706
25°	462	250
35°	57	44
45°	6	6
55°	4	4
65°	2	3
75°	2	2
85°	0	0
90°	0	

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CANDELA DISTRIBUTION (FULL):

0°	
0°	4133.4
1°	4132.3
2°	4119.2
3°	4094.0
4°	4071.0
5°	4033.8
6°	3995.5
7°	3952.8
8°	3900.2
9°	3818.1
10°	3709.8
11°	3559.8
12°	3379.2
13°	3164.6
14°	2928.2
15°	2667.7
17.5°	1986.8
20°	1328.9
22.5°	801.3
25°	461.9
27.5°	275.9
30°	171.9
32.5°	99.6
35°	56.9
37.5°	36.1
40°	21.9
42.5°	10.9
45°	5.5
47.5°	4.4
50°	4.4
52.5°	4.4
55°	4.4
57.5°	3.3
60°	3.3
62.5°	3.3
65°	2.2
67.5°	2.2
70°	2.2
72.5°	2.2
75°	2.2
77.5°	1.1
80°	1.1
82.5°	1.1
85°	0.0
87.5°	0.0



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)